

IN THE CLAIMS:

1 to 17 (canceled).

18. (Original) An alternating current type plasma display comprising: a back substrate and a front substrate provided to as to face each other with a gas discharge space sandwiched between the back and front substrates; a pair of electrodes, covered with a dielectric layer, provided on one or both of the substrates; and a protective layer provided on the dielectric layer, the protective layer being produced by coating a coating liquid, substantially containing a partial hydrolyzate derived from an alkaline earth metal compound having a hydrolysable reaction site, on a dielectric layer provided on a substrate and heating the coating.

19. (Original) The alternating current type plasma display according to claim 18, wherein the partial hydrolyzate is prepared substantially from a composition comprising

(1) an alkaline earth metal compound having a hydrolysable reaction site,

(2) an additive which can function to dissolve or disperse the alkaline earth metal compound in a solvent and to permit the hydrolysis of the alkaline earth metal compound to proceed in a rate-controlling manner,

(3) water is not more than stoichiometric amount relative to the hydrolysable reaction site, and

(4) an organic solvent.

20. (Original) An alternating plasma display comprising: a back substrate and a front substrate provided so as to face each other with a gas discharge space sandwiched between the back and front substrates; a pair of electrodes, covered with a dielectric layer, provided on one or both of the substrates; and a protective layer provided on the dielectric layer, the protective layer comprising an alkaline earth metal oxide film formed by coating a coating liquid, substantially containing a partial hydrolyzate prepared from a composition comprising

(1) an alkaline earth metal compound having a hydrolysable reaction site,

(2) an additive which can function to dissolve or disperse the alkaline earth metal compound in an organic solvent and to permit the hydrolysis of the alkaline earth metal compound to proceed in a rate-controlling manner, and

(3) an organic solvent,
on a dielectric layer provided on a substrate and heating the coating.

21. (Currently Amended) The alternating current type plasma according to ~~any one of claims 18 to 20~~ claim 18, wherein the alkaline earth metal compound having a hydrolyzable reaction site is at least one member selected from an organic compound of magnesium and an inorganic compound of magnesium.

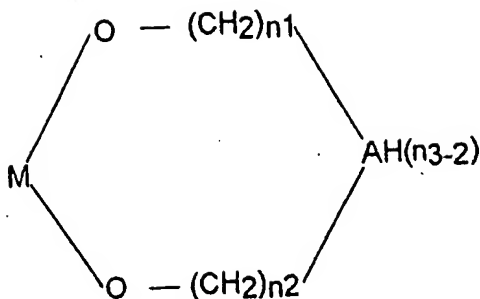
22. (Original) The alternating plasma display according to claim 21, wherein the organic compound of magnesium is magnesium alkoxide.

23. (Currently Amended) The alternating plasma display according to ~~any one of claims 18 to 22~~ claim 18, wherein the alkaline earth metal oxide film is formed of magnesium oxide particles having a diameter of not more than 0.3 μm .

24. (Currently Amended) The alternating plasma display according to ~~any one of claims 19 to 23~~ claim 19, wherein the additive is at least one member selected from a carboxylic acid, a carboxylic acid derivative, an alkanolamine compound, a glycol compound, a glycol derivative, and an organic compound having a carbon-carbon triple bond.

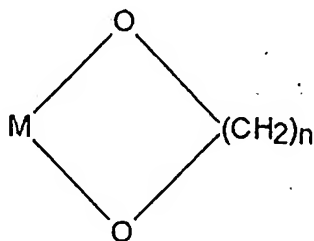
25. (Currently Amended) The alternating plasma display according to ~~claims 18 to 24~~ claim 18, wherein the partial hydrolyzate is derived from the alkaline earth metal compound is represented by the following structural formula:

Rule 1.53(b) Division
of USSN 10/162,193



wherein M represents an alkaline earth metal atom, A represents a hetero atom, n1 and n2 are an integer of 1 or more, and n3 is a valence of the hetero atom.

26. (Currently Amended) The alternating current type plasma display according to ~~claims 18 to 24~~ claim 18, wherein the partial hydrolyzate of the alkaline earth metal compound is represented by the following structural formula:



wherein M represents an alkaline earth metal atom and n is an integer of 1 or more.

Rule 1.53(b) Division
of USSN 10/162,193

27. (Currently Amended) A process for producing an alternating current type plasma display according to ~~claims 18 to 26~~ claim 18, comprising the steps of:
coating a coating liquid, containing a partial hydrolyzate derived from an alkaline earth metal compound, on a dielectric layer provided on a substrate and heating the coating to form a protective layer of an alkaline earth metal oxide film.